

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: "Hal R. Waite" <halwaite@netcom.com>  
Subject: "HossTraders" Hamfest at Rochester, NH  
Message-ID: <Pine.SUN.3.91.950731175358.2548A-100000@netcom16>

Does anyone have the exact dates for this year's hamfest? I haven't seen it posted yet. Thanks.

Hal K4GFI/7 Las Vegas halwaite@netcom.com

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: .... .. (HI HI)  
Message-ID: <807278350.4253934@AppleLink.Apple.COM>

Anybody home?

I haven't rec'd a Digest since #115, day before yesterday.

(Can't tell if this is a local problem.)

-df

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)  
Subject: Re: 390A DIAL LIGHT  
Message-ID: <9507312342.AA20985@mirage>

Michael.J.Knudsen@att.com writes:

>  
> Where does the 392 get plate voltage? Separate dynamotor? There can't be a  
> vibrator supply crammed into that little case, can there? At least I trust  
> the PS doesn't need those monster 6080 series regulator tubes.  
>

Real simple. 28 volts \*is\* the plate voltage. Notice all the extra tubes required to make up for lost gain when running at such a low B+.

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org

As nightfall does not come at once, neither does oppression. In both instances, there is a twilight when everything remains seemingly unchanged. And it is in such twilight that we all must be most aware of change in the

air--however slight--lest we become unwitting victims of the darkness.  
Justice William O. Douglas

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: jmartin@hrlban1.aircrew.asu.edu  
Subject: 6146 oscillator circuit  
Message-ID: <SA39+ttY5ka@hrlban1.alhra.af.mil>

Boatanchorites,

The single 6146 crystal controlled transmitter design can be found in the 1958 ARRL Handbook, page 177. This apparantly is a reprint of the original article which was in Aug 1955 QST. The article claims 75 watts; crystal current is limited by a small 2v pilot lamp in series.

73, John Martin

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: clarke@acme.ist.ucf.edu (Thomas Clarke)  
Subject: 955 and socket source  
Message-ID: <m0sdIJf-0006WsC@next1.acme.ist.ucf.edu>

I got a Clough-Brengle model OCX RF signal generator -  
an old thing with type 80 rectifier, 76 modulator oscillator etc.  
A big turret band switch mechanism makes it kind of neat.

The business RF tube has been replaced by a 12AU7, however,  
clearly out of period. I suspect from the size of the hole that  
the 9 pin socket has been mounted in, that the original may have  
been a 955 acorn tube.

Does anyone know where a 955 acorn and socket can be obtained at  
reasonable cost? Maybe a bit of old gear with said parts or a

reference to FAIR catalog or equivalent?

Also, anyone got a manual for said signal generator?

Tom Clarke  
KE4VFH

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: Michael Crestohl <mc@shore.net>

Subject: A great W1CBW flea market tale.....  
Message-ID: <199508011219.AA01962@northshore.ecosoft.com>

To One and All:

While writing my previous post on flea markets I was reminded of my favorite W1CBW stories and thought I'd share it with you:

W1CBW, Collins J Farr, or "Con" is a grand old buzzard ham from northcentral Vermont. I've known him since 1967. Wonderful old Vermonter accent included. Very dry sense of humor. Among other things, Con was a telegraph operator whose jobs included Radio Operator on trans-Atlantic commercial flights in the fifties. Anyways, Con's kids had grown up and left and finally he and Lucille sold the house atop Trow Hill in Barre VT (Con used to pronounce it "bar" even though it was properly referred to as "Barry". He cleared out over 40 years worth of accumulation and dragged a lot of it to the Charlotte Hamfest.

He had lots of coffee cans filled with tubes, mostly older octal types. I was standing around chatting with Con (after looking through the tubes of course) and some guy walked up and asked how much they were. "Twenty five cents each," he drawled. "Three for a dollar". The guy picked out six and handed Con two singles. He pocketed the money without even cracking a smile.

"Dontcha just love it.....(Richard A Burton, ex-WB6JAC)

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>  
Subject: Re: A great W1CBW flea market tale.....  
Message-ID: <01HTK2DNZ5WA8Y4WPY@Admin.Rose-Hulman.Edu>

>He had lots of coffee cans filled with tubes, mostly older octal types.  
>I was standing around chatting with Con (after looking through the tubes  
>of course) and some guy walked up and asked how much they were. "Twenty  
>five cents each," he drawled. "Three for a dollar". The guy picked out  
>six and handed Con two singles. He pocketed the money without even  
cracking  
>a smile.

This is as good as the guy offering quarters (25c) for a dime (10c), limit one to a person. It is amazing how many people were passing it by just because it was weird, I guess.

People just don't recognize an obvious deal (or an obvious ripoff) when they see it. I guess the key is not to let your emotions get in the way when haggling (either side). If a guy wants \$250 for a dirty grungy tubes missing radio and won't back down, don't take it personally. If someone offers you \$100 for your NIB KWM-2, don't take it personally either. A price isn't really set until the items and money exchange hands anyway.

Well, that's my 2c (but we can haggle on that) worth...

73, David Moody, KD8NY

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David A. Moody           | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183      |
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Any facts expressed within belong to everybody.  
Any opinions expressed within are my own and are not  
necessarily the same as my employer, family, friends, etc.  
It is up to you to know the difference.

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: Michael Crestohl <mc@shore.net>  
Subject: Advice on haggling in flea markets wanted.  
Message-ID: <199508011219.AA01935@northshore.ecosoft.com>

Hello Fellow Flea Market Rats!

Recently, Jack Taylor N700 wrote:

>At hamfests many buyers just don't like to haggle, either. They like to see  
>a price displayed so they can determine if they really want an item or not.  
>It takes a special intellect and/or lots of experience to haggle.

As a tableholder/seller I agree this is true. Most buyers will either pay the price or walk away. However, there are certain anti-haggle techniques I employ to counteract it if they do. Sometimes it works and other times I drop the price. This is dependent on many factors.....

>The most successful hagglers I've seen train their faces to carry a pleasant  
>but sincere expression during the process. They use body language to an  
>advantage with appropriate hand and arm gestures. They also put on a show  
>of near complete innocence about the item being haggled over. I never was  
>very good at any of this. Not enough experience or practice, I suppose.

Successful haggling is a skill, talent and artform all rolled up into one. It takes YEARS of practice to develop.

>You successful hagglers here on the net (we ALL know who you are) would earn  
>our eternal gratitude if you'd share your techniques with us. Teach us your  
>secrets...you could star in a swap meet "Training Video" to sell to us utter  
>novices. Become rich and famous in the process. After all, those that are  
>successful at the swap meets probably are successful at work as well. Thus  
>if we learn to become successful at the feaas, we might be able to turn our  
>wretched lives around too! If we do better at work, that would justify us  
>getting those \$12,000 "investment" KW-1s. It's a win-win situation. <grin>

Its unlikely that you will learn a great deal by reading - you have to practice! Plus, you must possess some potential. And be willing to learn. Find a great flea market rat (you'll see him there at the "ass-crack of dawn" (WA1HLR) and he'll be buying. Don't bother him now - he's busy! Talk to him later.

I have been frequenting electronic flea markets/swap meets, etc for a loooong time all over the U.S. and Canada. I've been to Dayton several times over the years (first time was 1968!). I've been to such well-known events such as Deerfield, TRW, Gaithersburg, Foothills, Rochester NY, and hundreds of little 20 table fleas out in the middle of nowhere with lots of Mon & Pop types. I love 'em all because, as Forrest Gump might put it: "A hamfest is like a box of chocolates - you never know what you're gonna get!"

I met a guy at Framingham last March. He was carrying some fairly new Ikensu HF rig and wanting a table. Since I had bought the table mainly to get in early and have a place for my wife to sit (and if anyone wanted to give her \$\$\$ for any of the crap spread around that's fine too!) Anyways, there were no tables to be had and I offered this newcomer the opportunity to split the table with me since I didn't need it all anyways. During lulls in the activity we chatted a bit. He was from northern New Hampshire - in the White Mountains and has been a ham for about five years. I asked him what he did for a living. "Used car dealer".

Well, to make a long story short, he bought a few other things and sold them so he was happy. He asked me for some advice and I gave him some. I took the time to give him some valuable information based on years of experience because he semed worthy. He offered to take me to the used car dealer auction any time I wanted to buy another car. Jack acknowledged that the information I gave him was valuable and expressed his willingness to reciprocate by offering to take me to the used car dealers auction any time I want and let me buy anything I felt like at the auction price. So, I had made a friend and a valuable contact in the used car world which is certainly a business if thever was one, to have a friend on the inside.

Now, about haggling.....

The one thing I fail to understand is: why does anyone drop their price first thing in the fest before the general "buyers" are allowed in?

>A side benefit to all of this is the possible reversal of the upward BA  
>price trend. If we memorize Larry's boneyard blue book to get an idea of  
>recent pricing ranges, we can (once we become accomplished hagglers) deal  
>with knowledge of market pricing to keep the offers realistically below that  
>range. Don't kid yourself that this couldn't happen. With over 500 and  
>growing on the BA list, there's enough of us spread out over the continent  
>to make an impact!

Larry's list is an excellent barometer to the various radios that are being offered and what the seller is asking for them. It would, of course be far more valuable if it contained prices realized when they are sold, but this is of course, impossible to obtain. It comes down to what the seller is willing to accept at the time you are offering to pay. Any strategies, tactics, theatrics, "lines" or whatever you call it employed by either buyer or seller are incidental now. It all boils down to how badly the buyer wants it and how badly the seller wants to make it go away. The only tip here I will give you is: If you really want something, try not to let it be that obvious to the seller. Do not say things like "I buy your Corrins - how much you Corrins KWN-2A?" (as overheard at Dayton) But if it is an item that you are not likely to find easily again and you really want it, bargain hard, but don't leave to "think about it" because you'll come back later and it WILL be gone! You'll kick yourself hard for losing it for a few dollars and it will come back to haunt you in your dreams until you eventually find one in lesser condition for more money. Believe me I've been there!

>Swapmeet season is advancing rapidly. There's not much time left for you  
>seasoned types to give us inexperienced ones the training we so desperately  
>need!

I seriously doubt that any well-seasoned flea market vet will reveal any tricks of the trade on such a public forum such as we have here. Best bet is find an "Elmer" and work with him/her.

Hasta la bye-bye!

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995

From: rdkeys@unity.ncsu.edu  
Subject: Re: AES Tube Specials  
Message-ID: <199508011419.KAA09119@cc01du.unity.ncsu.edu>

>  
> FWIW, Antique Electronic Supply is selling excess stock 2E24s for \$1  
> each until August 15. The 2E24 seems to be a 2E26 with filament  
> instead of heater-cathode, as far as I can tell from the tube manual.  
>  
> Mike, KK6GM

Do you or anyone on the list have a current list of excess stock special price tubes from AES? Sometimes they have some good deals on tubes by the bucketfull, as above.

73/Bob/NA4G

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: StuSanders@aol.com  
Subject: ARC-38 Wanted  
Message-ID: <950731220744\_127436404@aol.com>

I am looking for an ARC-38 or 38A in reasonable shape. I bought the manual from Fair a few years ago with intent of buying the '38, but they since ran out and the 'As are way too expensive. Doesn't have to be unmodified or pretty but needs to be intact. What say, people?

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: n5off@w5ddl.aara.org  
Subject: BC-348 Alignment  
Message-ID: <146597@w5ddl.aara.org>

Well, here is an easy alignment procedure to get you going. Some techie may come in with the proper procedure later, but this works OK.

Each of the big boxes inside has a set of variable caps for each band labelled after the band number, 1,2,3, etc.

Provided the rig is working a little, go to band 1 (LF band). Find a station whose freq you know and adjust the cap labelled "1" in the oscillator box until the dial reads properly.

With this done, work your way through all the caps labelled "1" in the various boxes until you reach the end of the radio. Band 1 is now complete.

Go to band 2 and find a station of known freq and go back to the oscillator box and adjust "2" until the dial reads properly, you get it. Adjust all the 2's.

Continue through band 6. If you have a signal gen, this will be a snap.

At sometime or another you will want to check the IF coils for peak signal.

If the 348 is in good working order, you will hear the world on a xxx make that 3' piece of wire.

Forgot to mention, one of the bands won't have a trimmer in the ant box (the last one) and perhaps two of the trimmers on each compartment will be inside instead of on the back of the compartment as most are.

These rigs are simple, and hot as a \$2 pistol when they are adjusted properly.

Bonne Chance de tom n5off

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: rdkeys@unity.ncsu.edu  
Subject: Re: CB recycling  
Message-ID: <199508011603.MAA15701@cc01du.unity.ncsu.edu>

> >  
> >> >>I recently picked up a ``Swan'' Siltronix CB vfo that had a magnificent  
> >> >>5/25:1 dual reduction drive on it.  
> >>  
> >> > Didn't know Swan made CB VFO's. Thought those things were illegal on  
> >> > Childrens Band!  
> >>  
>  
> Illegal or not, there is a CB shop near me that has two of the little  
> Siltronix Model 90 thingys for sale.  
>

I get them around here for 5 bucks. So, 50 is a bit steep.

But, with looking, and a 5 buckeroo, occasionally, they make great vfo boxes and have very nice dials.

I was just using that as a basis for keeping eyes open at hamfests if folks wanted good dials/vfo starters/etc.



73/Bob/NA4G

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Bill.Cohn@precision.chigate.com (Bill Cohn)  
Subject: Elgin, Il. Radiofest  
Message-ID: <e1e\_9507312209@chigate.fidonet.org>

H>Anyone else going to the Elgin, Illinois Radiofest this Wednesday? I will  
H>be there and would like to meet other BA's. I collect mostly military  
H>radios. I will be monitoring 157.51 as Ron's wish at Oskosh air show.  
H> Bruce Haffner  
H> WD9GHK  
H> haffner@mcs.com

I will be there Wednesday and Thursday. For everyone else I suppose I  
will describe this event.

Radiofest runs from August 3rd through the 6th.

Location: Elgin Holiday Inn - Route 31 and Interstate 90

Swapmeet all days

Auction Friday afternoon

Several Old Radio Contests - And talks by club members

Ralph Muchow's Radio Museum should be open for viewing. If you have not  
seen this it is a must see place. Dr. Muchow (retired dentist) has a two  
story building in Elgin filled with radios. Including many BAs. He has  
an entire room of E.H. Scott most of which is in working condition.

Sponsored by the Antique Radio Club of Illinois.

This events primary mission is old broadcast receivers but BAs show up  
as well as parts for restoration. Many dealers will be there. Often  
Antique Radio Supply from Arizona is there with publications.

I have always had a great time at this event.

73 de N9MHT Bill

---

\* OLXWin 1.00a \* Join the Antique Radio Club of Illinois

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: rhstein@interaccess.com (Ronald H Steinberg)  
Subject: Elgin, Il. Radiofest  
Message-ID: <199508010929.EAA15563@thymaster.interaccess.com>

Dan Schoo (a founding member of Rec.antique radio phono )  
will give a very interesting talk on "THE INTERNET AND OLD LACE "  
(old radios) on thursday the 3rd 9am at the Elgin Radiofest ARCI  
Antique Radio Club of Illinois  
Ron Steinberg K9IKZ (will be monitoring 147.51 at the Radiofest)

>  
>Radiofest runs from August 3rd through the 6th.  
>  
>Location: Elgin Holiday Inn - Route 31 and Interstate 90  
>  
>Swapmeet all days  
>  
>Auction Friday afternoon  
>  
>Several Old Radio Contests - And talks by club members  
>  
>Ralph Muchow's Radio Museum should be open for viewing. If you have not  
>seen this it is a must see place. Dr. Muchow (retired dentist) has a two  
>story building in Elgin filled with radios. Including many BAs.  
>This events primary mission is old broadcast receivers but BAs show up as  
well as parts for restoration. Many dealers will be there.

Join the Antique Radio Club of Illinois

Ron Steinberg K9IKZ

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: Norm Flasch <flasch@cushy.eecs.nwu.edu>  
Subject: Re: Elgin, Il. Radiofest  
Message-ID: <199508011250.HAA04722@cushy.eecs.nwu.edu>

>  
>  
> H>Anyone else going to the Elgin, Illinois Radiofest this Wednesday? I will  
> H>be there and would like to meet other BA's. I collect mostly military  
> H>radios. I will be monitoring 157.51 as Ron's wish at Oskosh air show.  
> H> Bruce Haffner  
> H> WD9GHK

> H> haffner@mcs.com  
>  
> I will be there Wednesday and Thursday. For everyone else I suppose I  
> will describe this event.  
>  
> Radiofest runs from August 3rd through the 6th.  
>

I will be there also. But, I believe the dates are Wednesday,  
Aug. 2 through Saturday, Aug. 5. I will be there on Wednesday  
and maybe Saturday only due to my work schedule. I will have  
a table behind my maroon Pontiac Grand AM.

--

Norm Flasch flasch@eecs.nwu.edu Northwestern University  
Electrical Engineering and Computer Science

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "Cain, Jim, K1TN" <jcain@arrl.org>  
Subject: Re: Exams  
Message-ID: <301E1D86@arrl.org>

Well, if FCC folks are getting something from the  
"Exam stories," then here's mine.

In spring 1962 exams were given at the Dayton  
Hamvention, then held at the downtown Biltmore  
Hotel. I'd been a Novice since September and  
my code speed was 20-plus, so it was time for  
the General. I don't remember pre-registering.  
My dad drove us to Dayton (just 40 miles from  
home, in Richmond, Indiana)--I was 13 years old.

The code test was given in a large room with  
world-class bad accoustics, including a high  
ceiling and a lot of big windows. The code  
came forth from some sort of PA system and  
the echos were unbelievable (I, already a serious  
operator, used headphones exclusively). Well,  
I passed, and passed the written, too. We  
waited around for hours for the written exams  
to be graded.

On the way home we stopped at Srepco Electronics  
and my dad (who's 81 now) bought me a brand  
new Drake 2B and 2BQ (\$285 1962 dollars). Thanks,  
Dad! I made do with my DX-20 transmitter for a

few months before going big-time with a DX-60 and HG-10 vfo.

Two years later I took the Extra on a lark, drawing diagrams and the whole bit, and almost passed. There were no additional privileges for the Extra,

In the summer of 1968 I worked in a dirty factory and studied some theory for the Extra, as Incentive Licensing was about to kick in. I took the exam in Louisville, copying Morse for about a minute and 10 seconds and then putting my pen down and my feet up. The other half-dozen in the room thought I'd given up but of course I had perfect copy and I knew it. I was the only one to pass. The theory was a snap, multiple choice straight from League publications. But I had done some Handbook study, too, and really did have a pretty good understanding of basic radio theory (now completely forgotten, of course).

I got back to college the next month and goaded my roommate, K9FRZ, into taking the Extra. Between studying for his senior year classes he perused the ARRL License Manual for a week or so and went to Louisville and passed (he's now W9TM).

Now that I recall this, it's pretty boring. I suppose getting my Novice was the neatest. Having learned Morse and studied the 20 or so questions for the exam, I hadn't a clue how to take the exam or get a license. I didn't know a licensed amateur, but there was a house on a hilltop near the Earlham College campus with what I later learned was a 100-foot Vesto Tower and Telrex tribander behind it. This guy must be a ham!

Indeed, he was W9DD (now dead), and he had an HQ-170 (an A, probably) and a CE-200V. When I got my call sign, WN9AUM, the hams at the local parts emporium said "Get QSLs printed with W9AUM, so when you drop the N they will still be usable." Little did they know I'd be WA9AUM, they were so out of touch. Some things never change!

Jim Cain, K1TN

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: F.S. QST's 1940 thru 1965  
Message-ID: <950731205613\_127374806@aol.com>

I'm cleaning out my filing cabinets, people, cause I need more room for service info. So here is the list:

1940 incomplete YR. have Jan Mar Apr Jul Sep Oct

1941 incomplete YR have Feb Mar Jun Jul Aug Dec

1948 incomplete YR missing Feb

1949 complete year

1952 incomplete YR have Feb Mar Apr May Jun Jul Sep Nov

1953 incomplete Yr have Jan Mar May Jun Sep Oct

1954 incomplete YR have May Jun Aug Dec

1955 Incomplete YR have Jan Feb Apr thru Aug Oct

1956 incomplete YR have Feb Mar

1959 incomplete YR have Jan Mar Apr Jun Jul Aug Sep Oct

1961 complete

1962 complete

1963 complete

1964 complete

1965 incomplete missing Nov

Asking \$1.00 a copy or \$11.00 a year plus \$3.00 shipping for up to 6 issues or \$6.00 a year

I also have 1958, 1959, and 1960 complete in QST binders. I would like \$24.00 a year for those and \$6.00 Shipping.

You can reach me at my e-mail address or at home/work by phone at 1-6-6-677-3706. Or if you prefer the old unreliable snail mail that address is as follows:

Kim Herron

16141 24th Avenue

Coopersville, MI 49404-9643

thanx and 73

Kim

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: F.S. ARC 5 Receivers and Acc.  
Message-ID: <950731205630\_127375107@aol.com>

Hi fellow collectors,

I've got some of the nicest ARC-5 receivers I've seen in a long time. These appear to be new units. There are no cosmetic problems and are all original.

1 R-26 3-6MHz Stromberg-Carlson complete W/spinner knob #6743  
and original Dynamotor \$60.00 shipped

1 R-27 6-9.1 MHz Aircraft Radio Corp. W/spinner knob #6743 and original  
dynamotor \$60.00 shipped

1 FT-227A 2 Bay rack mount assembly made by Western Electric  
aluminum finish \$50.00 shipped

1 FT-220A 3 bay rack mount assembly made by Western Electric  
Black finish. This is a used item and is missing two fuse covers  
\$45.00 Shipped

1 extra Spinner knob assembly. This is larger than the 6743 on the  
receivers. It is also black wrinkle but fits the radios. Casting # M-420397  
is inside the knob \$8.00 shipped

Contact me at my e-mail address or by phone at 1-616-677-3706

Thanx and 73,  
Kim Herron  
KE8NE

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: wlfuqu00@service1.uky.edu (Bill Fuqua)  
Subject: F.S. or trade Globe model 90A manual  
Message-ID: <199508011152.HAA07737@service1.uky.edu>

Found a Globe model 90A kit manual yesterday. Any one interested?

73  
Bill  
ko4ww

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: HAMRLUND@aol.com  
Subject: Re: F.S. QST's 1940 thru 1965  
Message-ID: <950731214317\_45022187@aol.com>

CORRECTION ON KIMS PHONE NUMBER SHOULD READ AREA CODE 616, not 6-6

DON'T KNOW WHAT THIS BOY WOULD DO WITH OUT ME...HA HA HA : - + ))

ROBERT

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: thaake@bsm2ee1.attmail.com (thaake)  
Subject: RE:Favorite Tube  
Message-ID: <PMX-TERM-2.02-bsm2ee1-thaake-402>

I am not sure what would be my favorite tube. I have built simple transmitters using 6146, 807, 1625, 6V6, and 6L6 tubes and at least one using one of the sweep tubes (lets see how much of a TV set I can really use test).

I did buy several years ago about a dozen of the NRI or some other correspondence course kits which were a one tube audio amplifier. It included all the parts for a 50L6 amp line side powered. The metal chassis was presumably in another kit. It made an excellent 6 watt as verified by the 6W christmas light bulb dummy load. Still have some of the kits I think.

My motivation has always been "will it work?" not so much as to whether I was amused by a certain number on the side of the glass/metal.

Speaking of using TV set components has anyone truly, most definitely, cross your heart hope to die built a rig from a defunct TV chassis and not use anything else other than maybe solder and a crystal?? For years I was the local club "homebrew night" host and I would always threaten the builders with the TV chassis "test" but never did.

Tim WA0TSY  
thaake@bsm2ee1.attmail.com

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: wendler@tomcat.adc.ray.com (John Wendler)  
Subject: Re: Favorite tube/6146 oscillator  
Message-ID: <9508011406.AA14276@tomcat.adc.ray.com>

Ran home last night and checked my 1968 and 1970 Handbooks. There is a 5-Band, 50W transmitter in there that looks like it could serve as good inspiration.

The oscillator is a 12BY7A, electron coupled version.

The screen grid serves as a plate for a triode oscillator section; most of the electrons go shooting through the screen into a grounded grid section formed with the suppressor grid and (real) plate. It is analogous to today's dual gate FETs or cascode device connections, with the lower device as an oscillator and the upper as a buffer amplifier. The extra isolation from this configuration makes it well worth considering over a 6C4 triode oscillator, and the power levels will be more appropriate than a 6146 based oscillator. The output stage was a 6DQ6, if I remember correctly. It might be worth looking at \*that\* to see if it might profitably be replaced with a 6146B. You would up the plate dissipation rating from 18 Watts to 35 Watts (25 W for 6146 or 6146A), which would make for a more rugged transmitter.

73,  
John

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Michael Crestohl <mc@shore.net>  
Subject: Favorite tube???  
Message-ID: <199508010023.AA08635@northshore.ecosoft.com>

Jeffrey Herman wrote:

>What's your favorite choice for a final P.A. for 20 and 40 meters  
>providing about 25W output? (By favorite I mean cheap and readily  
>available ;)

I like the 2E26 myself.

Cordially,

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: mjsilva@ix.netcom.com (michael silva)  
Subject: Re: Favorite tube???  
Message-ID: <199508010128.SAA14592@ix7.ix.netcom.com>

Michael Crestohl wrote:

>



>Jeffrey Herman wrote:

>

>>What's your favorite choice for a final P.A. for 20 and 40 meters  
>>providing about 25W output? (By favorite I mean cheap and readily  
>>available ;)

>

>I like the 2E26 myself.

FWIW, Antique Electronic Supply is selling excess stock 2E24s for \$1 each until August 15. The 2E24 seems to be a 2E26 with filament instead of heater-cathode, as far as I can tell from the tube manual.

Mike, KK6GM

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995

From: Robert2039@aol.com

Subject: Favorite tubes?

Message-ID: <950801021659\_127621985@aol.com>

I would say my most favorite is the 813! Best power amp tube I know. I also kinda like the 6L6WGB. Keeping 6 6146A's around in case I might want to use one in a project. Got em for a buck apiece with good emission couple of years ago. The 815 I found is a wierd one. Never saw a tube with 2 top caps before. Is this one kinda scarce? only paid \$2 for it.

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995

From: rdkeys@unity.ncsu.edu

Subject: Re: First rigs [was: Favorite tube? --- 6146] NAH 211!

Message-ID: <199508011555.LAA15431@cc01du.unity.ncsu.edu>

>

> At 10:04 AM 7/28/95 -0500, Tony Stalls (K4KY0) wrote:

> >On Fri, 28 Jul 1995 rdkeys@unity.ncsu.edu wrote:

> >

> >> 1. Oscillator --- 6146 running 195 volts on the plate and 105 volts  
> >> on the screen from a pair of VR tubes in a string off the plate  
> >> supply. It will work fine as a xtal oscillator or an eco on  
> >> 80 meters doubled to 40 in the plate, and pi-net coupled to the  
> >> final stage.

>

> [ snip.. ]

>

> Speaking of using these tubes as oscillators...

>

> My very first rig was a 2E26 crystal oscillator into a pi-net. It ran about

> 25 watts plate input on 80 and 40 meters, with the pi-net inductors made out  
> of magnet wire wound on toilet paper tubes and slathered over with the  
> ubiquitous Duco cement.

Love that Duco cement. I dunno how many tubes of that I asked mom to buy  
for me when I was a kid. Half my junk was ``Duco'ed'' together!  
Mom used it for everything that needed repairs (including her china knick  
knacks that I had a knack for breaking (kid was a bull in a china shoppe)).

> A beautiful design.

FB story about your 1 tuber, and a great tidbit about how you can switch  
almost all of the similar based tubes (keeping ratings in mind, tho).  
I have a neat little tube book about 3 inches square and 1 inch thick  
designed for caddy carrying that lists all possible dropin basing subs,  
regardless of ratings. It makes a neat way of crossing possibilities  
for rigs.

> I'd give a lot to have that old one-tube homebrew rig back again, though,  
> just to be able to see it again and remember. But I think I just trashed it  
> when I moved up to a "real" rig. Ah, the callow folly of youth...

>

> Anybody else actually use a one-tube xmtr running 65 watts?

Would my 211 Hartley Oscillator count? It is pushing a bit a 65 watts,  
but a friend up in the NE runs one at 90 watts, quite effectively.  
I dunno exactly what he is using for a power supply, because it is rather  
stable for such power --- mine begets squirrrlllies beyond about 25 watts  
input and howls like doggie in the night when running full tilt.

> Bill VanAlstyne  
> N6FN  
> bill@cruz.com

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: FS 833A's NIB  
Message-ID: <950731215554\_127429419@aol.com>

Hey all you Broadcast transmitter users out there,

I have 6 New 833A tubes Manufactured by Svetlana that I would like to sell.  
These are new units with the full warrantee [3000 hours]. I ordered these  
for a customer and then he desided to upgrade his transmitter, relegating the

current unit to backup status. He therefore doesn't want to stock as many tubes as before. Now since these won't fit my Bauer FB-1000J or my KWM2-A and I don't need any more paper weights I thought I put them on here and see what happens. \$90.00 gets the tube with the full warrantee and I think another \$5.00 to ship will work.

E-mail me or call me at 1-616-677-3706. That rings at home and at the shop [I work out of my house, doesn't everybody?]

Thanx and 73

Kim Herron KE8NE

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: FS ARC-5 Receivers and ACC.  
Message-ID: <950801073024\_127680187@aol.com>

I have sold the two receivers. The two racks are still available as of 7:00 AM EDT Tuesday August 1st as is the knob

Thanx and 73

Kim

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: FS QST's 1940-1965  
Message-ID: <950801073026\_127680197@aol.com>

I have sold all the QST's that I have listed. Thanks to all who replied

thanx and 73

Kim

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: William Michels <michewh@pb.com>  
Subject: G5RV references?  
Message-ID: <Pine.ULT.3.90.950801093311.10872A-1000000@micro2>

Hi All,

I am looking for copies of some of the papers regarding Louis

Varney's G5RV antenna and similar designs. Specifically, the references are:

- 1) Varney, L., "ATU or astu?" Radio Communication, August, 1983.
- 2) Varney, L. "HF Antennas in Theory and Practice - A Philosophical Approach," Radio Communication, Sept. 1981.
- 3) B. Austin, "Computer-Aided Design of Multi-band Dipole Based on the G5RV Principle," Radio Communication, August, 1985
- 4) P. Hawker, "More on the G5RV/ZS6BKW Antennas," Technical Topics, Radio Communication, Jan, Feb & Apr 1993.
- 5) Varney, L., "An Effective Multi-Band Aerial of Simple Construction," RSGB Bulletin, July 1958.

A check of my local library's updated statewide serials list revealed that these two periodicals (Radio Communication and RSGB Bulletin) are not publicly available anywhere in the state of CT.

Following on the current thread that older editions of periodicals have been better cared for by individuals, I am putting this request to the list.

I would like to buy the specific issues mentioned or pay reasonable copying costs, whichever is best for you.

Best Regards,

Bill Michels  
michewh@pb.com

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: vmike@jsun.agen.okstate.edu (Mike Veldman)  
Subject: haggling/make offer  
Message-ID: <9508011338.AA12408@jsun.agen.okstate.edu>

Greetings fellow scroungers,

I have been collecting stuff at flea markets, auctions, and garage

sales for quite sometime. I think that the techniques are mostly in how you think. My method is to have already in your mind just what you're willing to pay. That is what my offers are always based on. And if the owner is not willing to accept the offer, walk away, there will be another one. The trick as I see it is not to think in terms of lack or scarcity. I know, some things may be scarce, but not generally the things we trade in. With a little patience I always seem to come up with whatever it is I'm looking for and at the price that I'm willing to pay. I hope this helps.

73

mike  
WD0CTA

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Michael Crestohl <mc@shore.net>  
Subject: Hamfest Report: ARRL New England Convention, Manchester NH  
Message-ID: <199508010024.AA08726@northshore.ecosoft.com>

Hello to all my B.A. Buddies:

Cynthia and I went to the ARRL New England Convention up in Manchester NH this weekend.

It was a lot of fun! I like the New England Convention because I know a lot of the people and its nice to see them all together in a setting other than a flea market-only event.

There was a flea market, to be sure! All the big wheeler dealers in the Northeast were there, hawking their computer cast-offs, test equipment write-offs and miscellaneous "schmegg" (as Mike K1TWF calls it)! My neighbor tableholder had a 275W E F Johnson matchbox with meter (but alas, no coupler) which I scooped up before it made it anywhere near the table. Boatanchor-wise there were a few highly over-priced rigs on a dealer table and I saw a happy guy carrying away a clean Viking Ranger II for which he said he gave \$175.00.

In addition to the Matchbox I bought the last four months of QST (including August 1995 which contains Larry's article BRING'EM BACK ALIVE which I shall savor later and not much else. There was a military BA radio - a PRC-47, that looked to be complete. I was not familiar with it, but for a lack of anything else boat-anchorish to play with I kept wandering back to it. At the end of the fest the owner, who obviously wanted it to go away, made me an offer that I couldn't refuse so it followed me home.

The Manchester committee did a great job of organizing this year's convention, especially considering it was only their second attempt. Two years ago the first Manchester NH ARRL Convention was a great success and we were all looking forward two years to 1995. I seem to think the attendance was down this time. The flea market was a disappointment from a buyer's point of view, although from a seller's viewpoint, I sold a lot of stuff.

I really enjoyed the social aspect of this convention. Our ham radio club, the Billerica Amateur Radio Society had an unofficial hospitality suite and we were honored by a visit by a very funny and entertaining man, Dr Richard Lederer who was the evening's guest speaker at the Old Buzzards' \$25.00 a plate rubber chicken banquet. I met him at last year's Mensa Annual Gathering (no, I'm not the member - Cynthia is!). He was curious to know what the difference was between ham radio and amateur radio and I thought I'd invite him up to the hospitality suite to meet the gang.

So, the box score for this one is a bit on the low side, but the friends and familiar faces well made up for it. It was a great party, unfortunately lacking in the kind of stuff we like to take home as souvenirs.

73 es cul.

Michael Crestohl, KH6KD/W1

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "James T Hanlon" <jthanlo@jade.imdi.sandia.gov>  
Subject: RE: Hammarlund HQ-129-X  
Message-ID: <9507018072.AA807292098@jade.imdi.sandia.gov>

Pierre,

The audio output impedance of the HQ-129-X is six ohms. I checked it in the manual last night.

73,

Jim, W8KGI

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Robert2039@aol.com  
Subject: Houston area swap meets?  
Message-ID: <950801022038\_127622009@aol.com>

Please tell me about ALL harris county swap fests please? Would love to go to one!

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: jeffa@ix.netcom.com (Jeff Anderson)  
Subject: KWM-2A xfrmr resolved  
Message-ID: <199508011324.GAA00508@ix3.ix.netcom.com>

After poking around a bit last night, I think I can explain why the power transformer in the 516F-2 power supply gets so hot.

I disconnected the power supply from the KWM-2A and turned it on by jumping 'AC Switched' to 'AC Common' so that it would be on without any load other than its own circuitry.

After about 10 minutes, I noticed that the power transformer was noticeably warmer, which surprised me, because it was essentially unloaded. Then I noticed that there was a distinct gradient to the temperature - it was noticeably warmer nearer the little metal box containing the bleeder resistors, and the little box was damn hot!

I continued to monitor the temperature over the next hour, and noticed that there always seemed to be the gradient across it, and that the transformer was becoming warmer and warmer with time, in fact, it was becoming hot.

Clearly, the transformer was absorbing heat from the very hot power resistors an inch or two away, and over time this caused the transformer to become hot (it takes a long time for it to heat up, since it is so massive, just as it takes a long time to cool down after power is turned off).

I checked the values of the bleeder resistors, and they're all in spec. However, going through the calculations, the HV bleeders dissipate 20 watts (50k ohms at 1000 volts). When power is ON these babies are HOT, and they heat up everything in the area.

The only other question is the actual value of the HV. The schematic says 800 V, I measure 1000 volts (receive mode). However, when I tune up so that the plate current is about 200 mA, the voltage drops to somewhere between 650 - 700 volts. Quite a range between loaded and unloaded, so I'm inclined to think that the 800 V listed on the schematic is really a ball-park figure.

- Jeff, WA6AHL

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: Magic Eye Audio  
Message-ID: <Pine.SOL.3.91.950731230213.6330D-100000@clark.net>

On Mon, 31 Jul 1995, penson wrote:

> \$7999...is that stereo? Or do I need a pair?

I'm sure you would want a "bi-amp" setup, so you should be asking about whether you'll need 2 or 4. ;-)

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>  
Subject: Most Unusual Tube Lineup  
Message-ID: <301E130C@smtpgate.rfc.comm.harris.com>

We've had an interesting thread on "My Favorite" tube (Anyone compile the results - 807 ?) now I offer The most unusual tube lineup. Skimming thru some old QST's last night I ran across a good candidate in the February 1942 issue. How about:

50L6-50L6-50L6-50L6-807 at 112 Mcs (WERS)

The last 50L6 operating at 61 Mcs !! It looks like the old All American Five were supplying a lot of parts during WWII.

Anyone top this ? 73,

Ed K2MP @ Rochester  
emg@rfc.comm.harris.com

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: Mystery Hallicrafters RX  
Message-ID: <9507311756.AA12481@bock.ih.att.com>

Can anyone help me figure out what model this reciver was?  
A few years ago, when I was just getting back into vintage radios



but not quite into BAs yet (I had a 129X, what more do ya need?), a family friend gave me this Hallicrafters. It sort of worked, but the bandswitch was dicey and the rx weighed a lot more than it deserved to. The usual decent tube lineup, or so it seemed, about 9 tubes. I figured RF, conv, 2 IFs, det, BFO, 1st and 2nd audio.

I later traded it off with some other sets in a package deal, getting essentially nothing for it (which was what I'd paid :-)

When my Moore's 3rd Edition finally arrived last week, I figured I'd find out what model that was. Well, the only thing resembling its dual slide-rule dials is the SX-71. Oh geez, did I give away a dual-conversion rx? But the 71 has 13 tubes, chrome knobs, and I'm pretty sure this one had plain black knobs and a lot less than 13 tubes. Don't recall whether it had an S-meter, but would guess it did not have xtal filter either.

So, what other Halli had two slide-rule dials (main and BS)? This set used all single-ended metal octal tubes, so would be very late 30s or early postwar.

It had the trademark Halli single-unit main+BS tuning condenser, tho I'm pretty sure the BS side had its own stator sections. BTW, the Meissner 5-band front-end assembly used in their late 30s Traffic Scout & Traffic Master used a similar design -- wonder if they and Hallicrafters had a common supplier?

Finally, from reading Moore I've realized how easy it would be to overlook dual conversion in an unfamiliar rx. It would look like an extra IF tube and can with a crystal next to the can. Same old 3-gang tuner.

So maybe my mystery set did have dual conv and metal-skirted knobs dingy enuf that the memory has faded. But I'm sure I'd have noticed 13 tubes, and been more careful to hang onto the beast. Tnx es 73, mike k w9nrd

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: thaake@bsm2ee1.attmail.com (thaake)  
Subject: RE: NARCO MK-5  
Message-ID: <PMX-TERM-2.02-bsm2ee1-thaake-401>

Mike,

Send me your internet e-mail address. I should have a copy of the MK-5 manual somewhere if no one else does.

Tim WA0TSY  
thaake@bsm2ee1.attmail.com

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: bauer@tidalwave.med.ge.com (Michael Bauer Mfg 4-6766 ~BHOSVWZ#092)  
Subject: Narco V info needed  
Message-ID: <9508010633.AA09218@tidalwave.med.ge.com>

I was at the EAA airshow in Oshkosh, Wisconsin this last weekend and picked up a Narco V aircraft transceiver for \$25 at their flymarket. It also included a tube VHF convertor, inverter power supply, and VOR readout. I would like to make this into a working aircraft transceiver. I have figured out the +12V supply and PTT lines, powered it up, and plate voltages seem reasonable. I am looking for any info or manual to connect up the rest of the wiring harness. The entire package seems in good shape and complete, but no manual. The transmitter half looks like 5 tubes, and the receiver half has about 8 tubes of 7 and 9 pin styles. If I have to, I'll trace out critical parts of the circuit and reconstruct a hookup diagram. Separate dial knobs are used for xmit and rcv frequencies.

As for other boatanchor stuff there, only few and far between. Most items are too new for the scope of this list. Tankers helmets and headphones are common at about \$25. Besides all the normal vendors selling stuff, they have a special tent where people can drop stuff off for flea market sales. The flea market promoters tag the equipment with name and price, and pass the money onto the owner if it sells.

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: wa6jpr@engsrv.qsc.com (Wally Linstruth - WA6JPR)  
Subject: R392 Plate Voltage  
Message-ID: <9508010107.AA12346@engsrv.qsc.com>

Earlier, Michael Knudsen wrote (in part):

>  
> Where does the 392 get plate voltage? Separate dynamotor? There can't be a vibrator  
> supply crammed into that little case, can there? AT least I trust the PS doesn't need  
> those monster 6080 series regulator tubes.  
>

According to an article by Walt Hutchens, ER 12/90:

"Electronically, the one remarkable feature of the R-392 is the plate voltage. Absolutely alone among communications receivers, it uses the 28 volt primary supply as the 'high voltage' for the tubes. This

low plate voltage gives lower stage gains, so the R-392 has six IF stages, rather than the three or four which are typical of receivers of this type."

Wally - wa6jpr@qsc.com

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KE8NEfix@aol.com  
Subject: RE: QST's 1940 thru 1965  
Message-ID: <950731222212\_45057735@aol.com>

Thanks Robert,

I never said I could type. I can fix radios, I can eat pizza and drink beer, I can snore while sleeping on my back, but I never said I could type. Why do you think I keep you around anyway, your good looks and great disposition?

73, KIM

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: rdkeys@unity.ncsu.edu  
Subject: Re: receiving tube xmitters  
Message-ID: <199508011520.LAA13022@cc01du.unity.ncsu.edu>

>  
> In a message dated 95-07-27 13:33:32 EDT, you write:  
> >  
> >One of my favorites is George Grammer's 1932 breadboard Hartley for  
> >160 meters using a 45 tube. I redid it using a 6SN7/12AT7 sort of tube,  
> >and it works great! The full info is in the BA archives supposedly.  
> >It can also be gotten from sunsite.unc.edu via anonymous ftp in the dir:  
> > pub/academic/agriculture/agronomy/ham/things-to-build/na4g.  
> >A Hartley oscillator is also great with any receiving triode of almost  
> >any vintage.  
> >Electron Coupled Oscillators using things like a 6SK7 with a pi-net  
> >output circuit can be neat for local rag chews at maybe 1 watt or so.  
> >A 6AQ5 is a good tube for several watts of output.  
> >Battery tubes can be robust tubes if taken care of. ANY overvoltages  
> >on the filaments can be el-zappo time. HINT --- always use a proper  
> >on/off filament reostat to control battery tubes, and always run them  
> >on dc ..... (:+{} ..... unless you want to emulate the famous RAC notes  
> >of the 20's!  
> >  
> >73/Bob/NA4G  
>

> I've gotten a few 45's through my antique radio club. Need to grab that  
> article via FTP & build it sometime for 80 meters! How did you find out about  
> power levels on receiving tubes? I ran that 1T4, 3S4 rig completely off  
> batteries instead of building a power supply.  
>

Batteries work fine, but building a 450 volt plate battery is no small task. All I can muster is about 250 volts, and keeping the small sealed lead acid batteries up to snuff is no small trick either when you have maybe 50 of them in series.

I prefer to run filaments off of batteries all the time.

But, keep any tube within its ratings and you will do fine. Most of the power receiving tubes can be 2 x rated for intermittent CW work. Remember to keep the filament voltages correct when pushing them. Sometimes they will not stand 2 x plate voltage, but they usually will stand 2 x the plate VA rating.

That rule of thumb has been around since the 1920's.

Type 10's were routinely run at 600-700 volts.

Type 6L6's were routinely pushed to 500 volts and often run inverted in oil to max out the plate current at 100-150 ma. Fred Sutter was famous for his QSL card sized rigs running 60 watts into a 6L6 or 100 watts into a pair in pushpull.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: S-38B update  
Message-ID: <9508010029.AA03425@kali>

I meant to mention in my first post that I wasn't done working on the set yet. The caps will probably be swapped out, and the resistors checked. Now that I have several books to assist me with the all-American-5 type set (Marcus and Levy is what I am reading now) I should have plenty of ammunition.

I also forgot to mention that I knew the set had one side of the line going to the chassis. I ohmed it out and scratched the appropriate H and G into the side of the plug blades, so that I can always plug the thing in with the chassis being the cold end. Big blade = neutral,

little blade = hot on NEMA outlets. If I have to say which pin is GND  
you must peak the plate!

<grin>

--Andy

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: Scanning...(images)  
Message-ID: <807253816.2028281@AppleLink.Apple.COM>

I'm not sure if my posts are getting thru, but wanted to ask for some advice on what resolution to scan the tube specs in at. I can do almost anything up to 1200 DPI (Linotronic) but the typical CRT screen resolution is only 72 to 75 dpi. 300 dpi is best for laser printers and 150 to 175 for dot matrix. An image that's scanned at 300 prints beautifully on a laser but is 4 times too big when viewed on a CRT.

I may also be able to OCR the text and keep the graphs at 1:1 as the book is 5 1/4 x 8 3/8.

What say ye? I haven't done this before on this large a scale and would like to get it "right" the first time.

-df

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>  
Subject: Re: Simple CW XMTR (BOATANCHORS digest 131)  
Message-ID: <Pine.3.89.9507312332.B14608-0100000@hamp>

On Mon, 31 Jul 1995 Steve Ellington <n4lq@iglou.com> wrote:

> The simplest cw xmtr I ever saw was in an old cq magazine. I think I'll  
> go home and look it up. It had only one tube and no power transformer.  
> This was a single 117L6. No filament or power transformer was needed!  
> Does anyone still have one of these tubes?

Sometime between Nov 1954, when I started buying CQ on the newstand with my paper route money, and early 1957, when I passed my Novice test, CQ had an article on a 4 watt job that used a 50L6 (or maybe 25L6) and a 35Z5 rectifier. It was built on a hardware cloth chassis. No transformer, "ac-dc" supply. I built a modified version of it, it was ready to go when

my Novice ticket finally arrived in April 57. My first real electronics design problem was calculating the values of the high power resistors I needed for the heater string -- whichever of the 25L6 or 50L6 tubes was specified in the article, my luck was that I had the other one on hand, and not only was a different series resistor needed, I also had to put a shunt resistor across one of the heaters because the two tubes I had were rated at different currents. I ordered these two power resistors a crystal socket, and a crystal by mail order, most of the other parts, including the chassis, tuning capacitor, and filter capacitors came from a dismantled ac-dc b.c. radio. The tank coil was wound of magnet wire on a toilet paper tube.

In the interest of "safety" I ran only one wire to one side of the a.c. line plug, the chassis was grounded to a hot water radiator. I am quite lucky I didn't do real damage with that thing.

With my general lack of skill, low power, antenna 10 feet off the ground, and a 40 meter crystal frequency shared with Radio Moscow I didn't make many contacts with this rig, but I did make a few. Later on I built one of the single-tube 6146 rigs after the article in QST, but a friend convinced me I would be much better off to add a 6AG7 oscillator and not run all that current through the crystal.

73, Al N1AW

Albert S. Woodhull, Hampshire College, Amherst, MA  
awoodhull@hamp.hampshire.edu  
woodhull@shaysnet.com  
413-549-2962

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: Robert2039@aol.com  
Subject: Sweep tubes?  
Message-ID: <950801022034\_127621956@aol.com>

In a message dated 95-07-31 17:03:20 EDT, you write:

>  
>Date: Mon, 31 Jul 1995 13:23:55 -0400  
>From: wolfster@tiac.net (wolfster)  
>To: jeffrey@math.hawaii.edu  
>Cc: Multiple recipients of list <boatanchors@theporch.com>  
>Subject: Re: Favorite tube?  
>Message-ID: <199507311725.NAA20058@zork.tiac.net>  
>  
>Well, mine is the 6BG6GT... It's basically an 807 in an octal socket, but  
>nobody seems to care. I've never seen it "audiophiled", and most of the flea

>market guys will sell'em for a buck or two because they're "horizontal  
>output tubes", that never made it into the Jap gear.  
I once made a linear amp from a bunch of paralelled 6BG6 (or was it 6DQ6's?)  
tubes. I think I had about 8 of them in a string. Boy did that suck filement  
power! And a CW, SSB anp only too. I burned up those tubes one day trying to  
run AM through it. But then I was a teenager (the 70's) back then on a very  
limited budget. Those tubes came from junk tv's!

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: ac082@freenet.carleton.ca (Charles Hunter)  
Subject: sx-71, sb101, dx100  
Message-ID: <199508010754.DAA24091@freenet3.carleton.ca>

Just wanted to let you know that I have repaired the sx-71 and restored  
the circuitry to the original. This is one sweet radio but it sure runs hot!  
Lots of heat being dissipated on the case over the power transformer.

The alignment appears to be very close to spec and to the known reference  
stations on each band. I haven't done anything with the six meter section.

Thanks to all those on the BA list who offered suggestions and guidance  
for the restoration. Your help was very much appreciated.

73's  
Charlie

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: Tube List (Yes/No?)  
Message-ID: <807285464.6106239@AppleLink.Apple.COM>

I've only seen one reply to me request for suggestions on which tubes to do  
scanned image files of. Unless I get more I'll consider it a dead idea and  
just send Jerry a hard copy of the ones he asked for.

Here's the current list:

5U4

6CH6

6JB6  
6KD6  
6V6

810  
811  
813

12AX7

1619

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: Rolf.Jansson@stax.slu.se (Rolf Jansson)  
Subject: type of cable beetween min-bnc on r-390A  
Message-ID: <9508011213.AA25955@nana.slu.se>

Anyone knowing what type of wire/cable there are on my cable  
with mini-bnc on both sides?? One goes to the antenna outlet/relay  
Regards Rolf

-----  
Sveriges lantbruksuniversitet/  
Swedish University of Agricultural Sciences  
Systemman Rolf Jansson Tel: +46 90 166785,010 2255642  
Skogsh<sup>g</sup>skolan Fax: +46 90 137929  
S-901 83 UmeÅ Sweden  
Datorpost/E-mail:Rolf.Jansson@stax.slu.se  
-----

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "Barry L. Ornitz" <ornitz@emngw1.emn.com>  
Subject: RE: Vanishing Tube Numbers, Silver Paint  
Message-ID: <Pine.ULT.3.91.950801103437.21046A-100000@dua150.kpt.emn.com>

On Mon, 31 Jul 1995 jproc@worldlinx.com wrote:  
> >The silver paint in my pen is conductive.  
> >This may be good or bad, depending on where you use it: but beware.  
> Roy,  
>  
> Thanks for the warning. In response to this, I laid a one eighth by one inch  
> long bead of ink from my silver marker on a plastic surface. While it was



> still wet, I immersed the leads of an ohmmeter at the ends of the bead and  
> slowly drew them together. The ohmmeter showed open until the tips of the  
> probes touched. I can only draw the conclusion that the ink in my pen is non  
> conductive, however, your warning should also be given consideration.

As long as the silver (really aluminum) particles are coated with solvent, they will likely not be conductive. Once dry, however, the particles MAY contact and be conductive. I say MAY because if the paint contains sufficient resin, the metal particles will all be coated and the dry paint will not be conductive. You really need to test to be sure.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: jproc@worldlinx.com  
Subject: RE: Vanishing Tube Numbers, Silver Paint  
Message-ID: <Chameleon.4.01.2.950901111247.jproc@>

>As long as the silver (really aluminum) particles are coated with  
>solvent, they will likely not be conductive. Once dry, however, the  
>particles MAY contact and be conductive. I say MAY because if the paint  
>contains sufficient resin, the metal particles will all be coated and the  
>dry paint will not be conductive. You really need to test to be sure.  
>

Barry,

Today, when the silver ink was dry, I tried the resistance test again and the ink sample from my particular marker is not conductive. Thank you for explaining the chemical process and to play it safe, I would still recommend a bit of caution when marking electrical components this way.

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: jproc@worldlinx.com  
Subject: RE: Vanishing Tube Numbers, was Tube Deal of My Lifetime

Message-ID: <Chameleon.4.01.2.950831185923.jproc@>

>  
>NOTE: I marked one of those old dog-bone carbon 5 watt resistors with one  
>of these, and the value changed!  
>  
>The silver paint in my pen is conductive.  
>  
>This may be good or bad, depending on where you use it: but beware.  
>  
Roy,

Thanks for the warning. In response to this, I laid a one eighth by one inch long bead of ink from my silver marker on a plastic surface. While it was still wet, I immersed the leads of an ohmmeter at the ends of the bead and slowly drew them together. The ohmmeter showed open until the tips of the probes touched. I can only draw the conclusion that the ink in my pen is non conductive, however, your warning should also be given consideration. Besides tubes, I mark the metal brackets of varnished transformers and identify the values of enameled power resistors with this pen. I would NOT mark the bottom of a tube base for fear of producing a conductive path.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: AviDov@aol.com  
Subject: want/sell list  
Message-ID: <950801023112\_127625768@aol.com>

may we see a copy ? Tnx

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: jproc@worldlinx.com  
Subject: RE: Where's the Baudot RTTY?  
Message-ID: <Chameleon.4.01.2.950831213111.jproc@>

>Greetings all -

>

>I recently obtained a Morse/RTTY endode decode box that I'm trying to  
>ressurrect. It seems to handle CW fine, but I havn't had much luck on  
>RTTY as yet. It does both 5 bit Baudot and ASCII. Where might I tune  
>around to get some good long duration RTTY signals?

>

Francis,

W1AW sends baudot RTTY transmissions at 18:00, 21:00 and 00:00 hours  
EST daily - about 20 minutes in duration. Consult any issue of QST for the  
entire operating schedule. A short 10 minute ASCII transmission follows the  
baudot run.

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinux.com  
Radio Restoration Volunteer  
HMCS Haida Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: ac082@freenet.carleton.ca (Charles Hunter)  
Subject: Re: Where's the Baudot RTTY?  
Message-ID: <199508010741.DAA23421@freenet3.carleton.ca>

Francis!

Assuming you live in the central or eastern U.S. a good station to copy is  
CFH Halifax at 100wpm/75baud with aviation and plain language weather.

CFH operates 24hrs a day using the format:

00:00 - 30:00 min fax

30:00 - 00:00 min RTTY

Sometimes the fax goes overtime as much as 15minutes depending on the  
chart they are sending. Or the Rtty can start early.

Best Frequencies: 4271 late evening or very early morning hours  
6496 This used to be 24 hrs a day but wasn't on tonite  
10535 daytime  
13510 daytime only

I have others but I am not sure if they are still operating. RTTY stations have gone off the air at an alarming rate in the past ten years.

If these don't work let me know and I can try some others on my database.

73's  
Charlie

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: k1zat@bah.com  
Subject: Re: ZUT!  
Message-ID: <Pine.SUN.3.91.950731213149.15220A-100000@booz.bah.com>

Jeff --

On Sun, 30 Jul 1995, Jeffrey Herman wrote:

> We used the Z-codes on our military circuits, primarily RTTY, but  
> I don't recall a single one of them (probably because I chose to  
> sit the 500 kc watch for 3 years...). If someone's got the list please  
> pass it to Jack and ask him to place in a BA file.

I don't know if ACP-131 is still "alive" or available but that's where I remember the complete list of them. There's probably enough of us military trained operators of one form or the other that we could come up with a reasonable list of them. I'll be willing if Jack doesn't mind.

jd

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: jproc@worldlinux.com  
Subject: Re: ZUT!  
Message-ID: <Chameleon.4.01.2.950831222207.jproc@jproc>

>Jeff --

>

>On Sun, 30 Jul 1995, Jeffrey Herman wrote:

>> We used the Z-codes on our military circuits, primarily RTTY, but  
>> I don't recall a single one of them (probably because I chose to  
>> sit the 500 kc watch for 3 years...). If someone's got the list please  
>> pass it to Jack and ask him to place in a BA file.

>  
>I dont know of ACP-131 is still "alive" or available but that's where  
>I remember the complete list of them. There's probably enough of us  
>military trained operators of one form or the other that we could come  
>up with a reasonable list of them. I'll willing if Jack doesn't  
>mind.  
>

Hello People,

I checked by files. I have ACP124 but it doesn't reference Z signals. One of letters in my filing binder lists three of the Z signals which were used by themselves or in conjunction with Q signals.

ZBZ - Readability (as in RTTY)  
ZEU - For exercise.  
ZUJ - Standby

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Aug 1 08:24:00 1995  
From: KS0F@aol.com  
Subject: Re: ZUT!  
Message-ID: <950731230235\_45092120@aol.com>

Greetings..

I dunno,,,,,,,,,Back in the 60's when I was a Coast Guard radioman there was an organization (club) of radio ops that used ZUT (the three greek letters) for their name and had a news letter they sent out periodically called the ZUT REP. I believe the main premise of our bunch was "CW FOREVER".

73 KS0F Mike

ZUT too Brute!?

From boatanchors@theporch.com Tue Aug 1 12:55:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: ZUT!

Message-ID: <Pine.SUN.3.91.950801060736.27025A-100000@coyote.rain.org>

You will find both the Q- and Z-signals in ACP-131, which I believe originated during WW2.